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Attorney Docket No. BRCK-004/00US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of **Ralph N. CRABTREE**

Serial No.: 10/724,394

Examiner: Not Yet Assigned

Confirmation No.: 8889

Art Unit: 3623

Filed: December 1, 2003

For: **SYSTEM AND METHOD FOR DETERMINING IF OBJECTS ARE IN A QUEUE**

U.S. Patent and Trademark Office
220 20th Street S.
Customer Window, **Mail Stop Amendment**
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

- INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Enclosed is an Information Disclosure Statement and accompanying Form PTO/SB/08A for the above-identified patent application.

- ☒ In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of the IDS is required.
- ☐ In accordance with 37 C.F.R. §1.97(c), also enclosed is:
- ☐ the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p); or
- ☐ a statement as specified in 37 C.F.R. §1.97(e).
- ☐ In accordance with 37 C.F.R. §1.97(d), a statement as specified in 37 C.F.R. §1.97(e) and the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) are also enclosed.
- ☐ Check No. ___ in the amount of \$___ for the total fee is attached.
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- ☐ Please charge \$___ to Deposit Account No. 50-1283 for the total fee. This paper is being submitted in duplicate.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 50-1283.

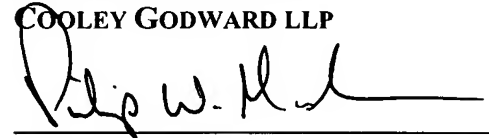
Dated: November 19, 2004

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Respectfully submitted,

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By:

A handwritten signature in dark ink, appearing to read "Philip W. Marsh", is written over a horizontal line.

Philip W. Marsh

Reg. No. 46,061

Attorney Docket No. **BRCK-004/00US**

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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(b)**

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,
Applicant(s) hereby submits the following information in conformance with 37 C.F.R.
§§1.97 and 1.98.

- ☒ Pursuant to 37 C.F.R. §1.98, a copy of each non-U.S. Patent/Published Application document cited in the attached Form PTO/SB/08A is enclosed.
- ☐ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. ___ to which the above-identified application claims priority under 35 U.S.C. §120.
- ☒ No copies of any U.S. patents or U.S. patent application publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98 because this application was filed after June 30, 2003.
- ☐ Publication(s) ___ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to ___ application serial no. ___ and mailed on ___.

- ☐ Enclosed is a copy of a non-English publication(s) _____. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
- ☐ Enclosed is a copy of a non-English publication(s) _____. English language publication ____ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) ____ for which an English translation is not available.
- ☐ Enclosed is an English translation of non-English publication(s) ____ cited in the attached Form PTO/SB/08A.
- ☐ Enclosed is a copy of pending patent Application Serial No. _____.

This Information Disclosure Statement is filed within any one of the following time periods:

- ☐ within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
- ☐ within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;
- ☒ before the mailing date of a first office action on the merits; or
- ☐ before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.

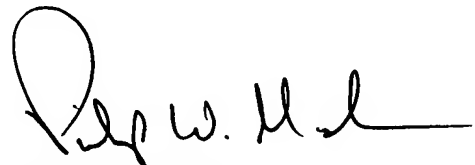
It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: November 19, 2004

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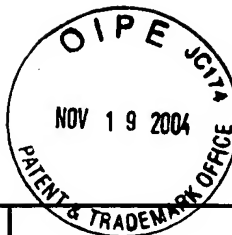
Respectfully submitted,
COOLEY GODWARD LLP

By:



Philip W. Marsh
Reg. No. 46,061

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PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/724,394
				Filing Date	December 1, 2003
				First Named Inventor	Ralph N. CRABTREE
				Group Art Unit	3623
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	BRCK-004/00US
Sheet	1	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
		6,584,211		Amemiya et al.	06-24-2003
		6,554,047		Mondragon et al.	04-29-2003
		6,445,409		Ito et al.	09-03-2002
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		5,097,328		Mondragon et al.	04-29-2003
		4,739,401		Sacks et al.	04-19-1988

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)			

Examiner Signature		Date Considered	
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¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (08-00)

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/724,394
				Filing Date	December 1, 2003
				First Named Inventor	Ralph N. CRABTREE
				Group Art Unit	3623
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	BRCK-004/00US

OTHER – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
		LAI et al., "Deformable Contours: Modeling and Extraction", Electrical and Computer Engineering, University of Wisconsin, 1994.		
		LANE et al., "Robust Tracking of Multiple Objects in Sector-Scan Sonar Image Sequences Using Optical Flow Motion Estimation", <u>IEEE Journal of Oceanic Engineering</u> , vol. 23, no. 1, January 1998.		
		TSAI et al., "Uniqueness and Estimation of Three-Dimensional Motion Parameters of Rigid Objects With Curved Surfaces", <u>IEEE Pattern Recognition and Image Processing</u> , 1982.		
		LIAO, "Tracking Human Movements Using Finite Element Methods", Computer and Vision Research Center, Dept. of Electrical and Computer Engineering, ENS, The University of Texas at Austin, May 20, 1994.		
		SALARI et al., "Feature Point Correspondence in the Presence of Occlusion", <u>IEEE Transactions on Pattern Analysis and Machine Intelligence</u> , vol. 12, no. 1, January 1990.		
		MONTERA et al., "Object Tracking Through Adaptive Correlation", <u>Optical Engineering</u> , vol. 33, no. 1, January 1994.		
		SETHI et al., "Finding Trajectories of Feature Points in a Monocular Image Sequence", <u>IEEE Transactions of Pattern Analysis and Machine Intelligence</u> , vol. PAMI-9, no. 1, January 1987.		
		TSAI et al., "Estimating Three-Dimensional Motion Parameters of a Rigid Planar Patch", <u>IEEE Pattern Recognition and Image Processing</u> , 1981.		
		CAI et al., "Automatic Tracking of Human Motion in Indoor Scenes Across Multiple Synchronized Video Streams", Computer and Vision Research Center, Dept. of Electrical and Computer Engineering, ENS, The University of Texas at Austin, 1990.		
		CELENK et al., "Moving Object Tracking Using Local Windows", <u>Proceedings IEEE International Symposium on Intelligent Control 1988</u> , IEEE Computer Society Press, 1989		
		BURT et al., "Object Tracking With A Moving Camera: An Application of Dynamic Motion Analysis", <u>Proceedings Workshop on Visual Motion</u> , IEEE Computer Society, Order No. 1903, 1989		

Examiner Signature		Date Considered	
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